

## AMENDMENTS TO THE CLAIMS

### **Claim 1** (currently amended)

An ink-jet recording sheet comprising:

a non-water-absorptive support; and

an ink absorbing layer thereon, the ink absorbing layer including

a first porous layer at the outermost position of the ink-jet recording sheet,

including water-insoluble organic particles having ~~an average~~ a mean primary particle diameter of ~~0.001 to 2~~ not more than 0.1  $\mu\text{m}$ , the first porous layer having a thickness not more than 20% of the thickness of the ink absorbing layer, and

a second porous layer positioned between the support and the first porous layer, the second porous layer including inorganic particles having an average particle diameter of 0.02 to 0.1  $\mu\text{m}$

wherein the ink-jet recording sheet satisfies the following Formula (1), when an aqueous solution, which comprises a water-soluble alcohol-type organic solvent having an SP value in a range of from 18.414 to 30.69 (Mpa)<sup>1/2</sup> and a boiling point of not less than 120°C in an amount of from 10 to 40% by weight, is provided to the surface of the ink-jet recording sheet in an amount of 20 ml/m<sup>2</sup>,

Formula (1)

$$V_c/V_d \leq 0.4$$

wherein VC represents a water transition amount of a first area of the ink-jet recording sheet, where the aqueous solution is provided, during a contact time of 0.8 seconds when the first area is subjected to Bristow's Measurement, and Vd represents a water transition amount of a second area of the ink-jet recording sheet, where the aqueous solution is not provided, during a contact time of 0.8 seconds when the second area is subjected to Bristow's Measurement.

**Claim 2 (original)**

The ink-jet recording sheet of claim 1, wherein the ink-jet recording sheet further satisfies the following Formula (2),

Formula (2) 
$$V_{60}/V_d \geq 0.7$$

Vd represents a water transition amount of the ink-jet recording sheet during a contact time of 0.8 seconds when the ink-jet recording sheet is subjected to Bristow's Measurement after being stored at 60°C and 20 RH for 24 hours.

**Claim 3 (previously presented)**

The ink-jet recording sheet of claim 1, wherein the water-insoluble organic particles, are capable of being dissolved in or swelled by a water-soluble alcohol-type organic solvent having an SP value in a range of from 18.414 to 30.69 (Mpa)<sup>1/2</sup> and a

boiling point of 120°C or more, the second porous layer further includes a hydrophilic binder.

**Claim 4** (cancelled)

**Claim 5** (cancelled)

**Claim 6** (original)

The ink-jet recording sheet of claim 1, wherein the water-soluble alcohol-type organic solvent is diethylene glycol monobutyl ether.

**Claim 7** (previously presented)

The ink-jet recording sheet of claim 6, wherein the water-insoluble organic particles are capable of being dissolved in or swelled by the diethylene glycol monobutyl ether, and the water-insoluble organic particles have a mean primary diameter of not more than 0.1  $\mu\text{m}$ .

**Claims 8 to 13** (cancelled)

**Claims 14 to 19** (cancelled)

**Claim 20** (previously presented)

The ink-jet recording sheet of claim 1, wherein the second porous layer has a thickness not less than 80% of the thickness of the ink absorbing layer.

**Claim 21** (previously presented)

The ink-jet recording sheet of claim 1, wherein the second porous layer further includes a binder.